

**REMARKS**

This application has been reviewed in light of the Final Office Action mailed on March 9, 2005. Claims 1-11 are pending in the application. Claim 1 is in independent form. By the present amendment, Claim 1 has been amended. No new matter or issues are believed to be introduced by the amendments.

In the Final Office Action, Claims 1-11 were rejected under 35 U.S.C. §103(a) as being unpatentable over U.S. Patent No. 6,222,494 issued to Erkocevic on April 24, 2001 ("Erkocevic") in view of U.S. Patent No. 6,008,765 issued to Davidson et al. on December 28, 1999, of record ("Davidson et al."). Claim 1 has been amended to better define Applicants' invention and to overcome the cited rejection.

Claim 1 now recites:

An antenna arrangement for a wireless device, the device comprising at least one ground conductor and the antenna arrangement comprising at least one antenna, wherein the or each antenna has an electrical length of more than half a wavelength, the electrical length being selected so that the total current in each of the at least one ground conductors is substantially minimized, wherein the or each antenna protrudes from a circuit board and is positioned in a vertical position with respect to one of the at least one ground conductor, and wherein said one of the at least one ground conductor forms at least one ground plane surrounding said vertically positioned antenna. (Emphasis Added)

Support for the amendments can be found throughout Applicants' specification and in the figures.

Erkocevic is directed to a phase delay line for collinear array antenna formed entirely on a circuit board. The antenna does not protrude from the circuit board. Accordingly, Erkocevic

does not disclose or suggest an antenna protruding from a circuit board. This feature is also not disclosed or suggested by Davidson et al. Davidson et al. describes a helical antenna element 12 positioned within an encapsulation housing 14. The antenna element 12 does not protrude from a circuit board.

Hence, the prior art of record does not disclose or suggest, inter alia, an antenna arrangement comprising at least one ground conductor and at least one antenna, wherein the or each antenna protrudes from a circuit board and is positioned in a vertical position with respect to one of the at least one ground conductor, and wherein said one of the at least one ground conductor forms at least one ground plane surrounding said vertically positioned antenna, as recited by Applicants' amended, independent Claim 1. Accordingly, withdrawal of the rejection with respect to Claim 1 and allowance thereof are respectfully requested.

Claims 2-11 depend from Claim 1, and therefore include the limitations of Claim 1. Hence, for the same reasons given above for Claim 1, Claims 2-11 are believed to contain patentable subject matter. Accordingly, withdrawal of the rejection with respect to Claims 2-11 and allowance thereof are respectfully requested.

In view of the foregoing amendments and remarks, it is respectfully submitted that all claims presently pending in the application, namely, Claims 1-11, are believed to be in condition for allowance and patentably distinguishable over the art of record.

If the Examiner should have any questions concerning this communication or feels that an interview would be helpful, the Examiner is requested to call Dicran Halajian, Esq., Intellectual Property Counsel, Philips Electronics North America, at 914-333-9607.

Respectfully submitted,



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